

## **CLAIMS**

What is claimed is:

1. A method for making a heat transfer component comprising the step of applying a melted polymer to a surface of said heat transfer component to form a film.
2. The method as recited in claim 1 wherein said film is thermoplastic.
3. The method as recited in claim 1 further comprising the step of heating said surface of said heat transfer component.
4. The method as recited in claim 1 further comprising the step of applying pressure to said film to adhere said film to said surface of said heat transfer component.
5. The method as recited in claim 4 wherein the step of applying pressure to said film comprises applying pressure by a roller.
6. The method as recited in claim 1 further comprising the step of melting a plurality of polymer pellets to form said melted polymer.
7. The method as recited in claim 1 wherein said film is formed from a melted polymer selected from the group consisting of polyester, polyolefin, polyetherimide, polyethersulfone, polysulfone and polyimide.
8. The method as recited in claim 7 wherein said film is formed of polyolefin and is mixed with a tackifier to adhere said film to said surface.
9. The method as recited in claim 7 wherein said film is formed of polyolefin and is mixed with a maleated polyolefin to adheres said film to said surface.

10. A method for making a heat transfer component comprising the steps of:
  - melting a plurality of polymer pellets to form a melted polymer;
  - heating a surface of said heat transfer component;
  - applying said melted polymer to said surface of said heat transfer component to form a film; and
  - applying pressure to said film to adhere said film to said surface of said heat transfer component.
11. The method as recited in claim 10 wherein said film is formed from a melted polymer selected from the group consisting of polyester, polyolefin, polyetherimide, polyethersulfone, polysulfone and polyimide.
12. The method as recited in claim 11 wherein said film is formed of polyolefin and is mixed with a tackifier to adhere said film to said surface.

13. A heat exchanger component comprising:  
a plurality of metal condensing flow passages having a surface; and  
a film formed from a melted polymer applied directly to said surface.
14. The heat exchanger component as recited in claim 13 wherein said film is thermoplastic.
15. The heat exchanger component as recited in claim 13 wherein said surface is heated.
16. The heat exchanger component as recited in claim 13 wherein said film is formed from a melted polymer selected from the group consisting of polyester, polyolefin, polyetherimide, polyethersulfone, polysulfone and polyimide.
17. The heat exchanger component as recited in claim 16 wherein said film is formed of polyolefin and is mixed with a tackifier.
18. The heat exchanger component as recited in claim 16 wherein said film is formed of polyolefin and is mixed with a maleated polyolefin.
19. The heat exchanger component as recited in claim 13 wherein a roller adheres to said film to said surface of said plurality of condensing flow passages.
20. The heat exchanger component as recited in claim 13 wherein a plurality of polymer pellets are melted to form said melted polymer.